

# NIOSH Bibliography of Communication and Research Products 2010

Journal Articles

ALERTS

PROCEEDINGS

ABSTRACTS

CONTROL TECHNOLOGY REPORTS



# **NIOSH BIBLIOGRAPHY OF COMMUNICATION AND RESEARCH PRODUCTS**

## **2010**

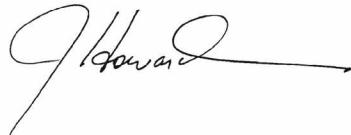
A Listing of NIOSH Publications for Calendar Year 2010

Department of Health and Human Services  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health  
Washington, DC

April 2011

## **FOREWORD**

We strive for excellence in our scientific endeavors and in the publications of our work. This bibliography is our effort to provide the best scientific information possible to maintain and improve safety and health at work. I believe that this bibliography reflects and reinforces the NIOSH values of relevance, quality, and impact, and demonstrates the consistent commitment of NIOSH and our partners to all workers as they face challenges to be safe and healthy while contributing to our nation's productivity. Please explore these products further and distribute them freely in workplaces and to our colleagues in the occupational health and safety community.

A handwritten signature in black ink, appearing to read "John Howard".

John Howard, M.D.  
Director, National Institute for Occupational  
Safety and Health

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## I. JOURNAL ARTICLES

- 0001.** Ahn Y-S, Won J-U, Park RM [2010]. Cancer morbidity of foundry workers in Korea. *J Korean Med Sci* 25(12):1733–1741.
- 0002.** Anderson SE, Jackson LG, Franko J, Wells JR [2010]. Evaluation of dicarbonyls generated in a simulated indoor air environment using an *in vitro* exposure system. *Toxicol Sci* 115(2):453–461.
- 0003.** Anderson SE, Munson AE, Butterworth LF, Germolec D, Morgan DL, Roycroft JA, Dill J, Meade BJ [2010]. Whole-body inhalation exposure to 1-bromopropane suppresses the IgM response to sheep red blood cells in female B6C3F1 mice and Fisher 344/N rats. *Inhal Toxicol* 22(2):125–132.
- 0004.** Anderson SE, Umbright C, Sellamuthu R, Fluharty K, Kashon M, Franko J, Jackson LG, Johnson VJ, Joseph P [2010]. Irritancy and allergic responses induced by topical application of ortho-phthalaldehyde. *Toxicol Sci* 115(2):435–443.
- 0005.** Anderson VP, Mulhern B [2010]. Focus on: risk management. Don't let costly slip and fall injuries trip you up. *CSA* 86(3):40, 42–43.  
*NORA: Wholesale and Retail Trade*
- 0006.** Andrews RN, Seliskar CJ, Heineman WR [2010]. Electrochemical and optical behavior of 8-hydroxypyrene-1,3,6-trisulfonic acid at optically transparent electrodes. *Electroanalysis* 22(14):1557–1565.
- 0007.** Antonini JM, Roberts JR, Chapman RS, Soukup JM, Ghio AJ, Sriram K [2010]. Pulmonary toxicity and extrapulmonary tissue distribution of metals after repeated exposure to different welding fumes. *Inhal Toxicol* 22(10):805–816.
- 0008.** Antonini JM, Roberts JR, Stone S, Chen BT, Schwegler-Berry D, Chapman R, Zeidler-Erdely PC, Andrews RN, Frazer DG [2010]. Persistence of deposited metals in the lungs after stainless steel and mild steel welding fume inhalation in rats. *Arch Toxicol* [Electronic publication-ahead of print].
- 0009.** Armenti KR, Celaya MO, Cherala S, Riddle B, Schumacher PK, Rees JR [2010]. Improving the quality of industry and occupation data at a central cancer registry. *Am J Ind Med* 53(10):995–1001.
- 0010.** Asfaw AG, Bushnell PT, Ray TK [2010]. Relationship of work injury severity to family member hospitalization. *Am J Ind Med* 53(5):506–513.  
*NORA: Manufacturing: Services*
- 0011.** Ashley K [2010]. Field-portable methods for monitoring occupational exposures to metals. *J Chem Health Saf* 17(3):22–28.

## **I. Journal Articles**

**0012.** Ashley K, Brisson MJ, Howe AM [2010]. Interlaboratory evaluation of a standardized inductively coupled plasma-mass spectrometry method for the determination of trace elements in air filter samples: preliminary results. *Anal Methods* 2(11):1823–1826.

*NORA: Manufacturing*

**0013.** Austin-Ketch TL, Violanti J, Fekedulegn D, Andrew ME, Burchfiel C, Hartley T, Vena JE [2010]. Metabolic syndrome and salivary cortisol: is there dysregulation among a group of active duty urban police officers? *Diabetes Metab Syndr* 4(2):82–88.

**0014.** Azad N, Iyer AKV, Wang LY, Lu YJ, Medan D, Castranova V, Rojanasakul Y [2010]. Nitric oxide-mediated Bcl-2 stabilization potentiates malignant transformation of human lung epithelial cells. *Am J Respir Cell Mol Biol* 42(5):578–585.

**0015.** Azad NG, Iyer A, Vallyathan V, Wang L, Castranova V, Stehlik C, Rojanasakul Y [2010]. Role of oxidative/nitrosative stress-mediated Bcl-2 regulation in apoptosis and malignant transformation. *Ann NY Acad Sci* 1203:1–6.

**0016.** B'Hymer C, Cheever KL [2010]. Evaluation of a procedure for the simultaneous quantification of 4-ketocyclophosphamide, cyclophosphamide, and ifosfamide in human urine. *J Chromatogr Sci* 48(5):328–333.

**0017.** Bailey RL, Thomas CA, Deubner DC, Kent MS, Kreiss K, Schuler CR [2010]. Evaluation of a preventive program to reduce sensitization at a beryllium metal, oxide, and alloy production plant. *J Occup Environ Med* 52(5):505–512.

**0018.** Baker BA, Cutlip RG [2010]. Skeletal muscle injury versus adaptation with aging: novel insights on perplexing paradigms. *Exerc Sport Sci Rev* 38(1):10–16.

**0019.** Baker BA, Hollander MS, Kashon ML, Cutlip RG [2010]. Effects of glutathione depletion and age on skeletal muscle performance and morphology following chronic stretch-shortening contraction exposure. *Eur J Appl Physiol* 108(3):619–630.

**0020.** Baron S, Cone J, Markowitz SB, Souza K [2010]. Introduction to a special issue: occupational health disparities. *Am J Ind Med* 53(2):82–83.

**0021.** Baron S, Cone J, Markowitz SB, Souza K [2010]. Special issue: occupational health disparities. *Am J Ind Med* 53(2):81–215.

**0022.** Beezhold KJ, Castranova V, Chen F [2010]. Microprocessor of microRNAs: regulation and potential for therapeutic intervention. *Mol Cancer* 9:134.

**0023.** Bello D, Wardle B, Zhang J, Yamamoto N, Santeufemio C, Hallock M, Virji M [2010]. Characterization of exposures to nanoscale particles and fibers during solid core drilling of hybrid carbon nanotube advanced composites. *Int J Occup Environ Health* 16(4):434–450.

**0024.** Bergman MS, Viscusi DJ, Heimbuch BK, Wander JD, Sambol AR, Shaffer RE [2010]. Evaluation of multiple (3-cycle) decontamination processing for filtering facepiece respirators. *J Eng Fibers Fabrics* 5(4):33–41.

*NORA: Healthcare and Social Assistance*

**0025.** Bhatti P, Yong LC, Doody MM, Preston DL, Kampa DM, Ramsey MJ, Ward EM, Edwards AA, Ron E, Tucker JD, Sigurdson AJ [2010]. Diagnostic X-ray examinations and increased chromosome translocations: evidence from three studies. *Radiat Environ Biophys* 49(4):685–692.

*NORA: Transportation, Warehousing and Utilities*

**0026.** Bi Y, Li Y, Kong M, Xiao X, Zhao Z, He X, Ma Q [2010]. Gene expression in benzene-exposed workers by microarray analysis of peripheral mononuclear blood cells: induction and silencing of CYP4F3A and regulation of DNA-dependent protein kinase catalytic subunit in DNA double strand break repair. *Chem Biol Interact* 184(1–2):207–211.

**0027.** Birdsey J, Alterman T, Li J, Petersen MR, Sestito J [2010]. Mortality among members of a truck driver trade association. *AAOHN J* 58(11):473–480.

**0028.** Blanciforti LA [2010]. Economic burden of dermatitis in US workers. *J Occup Environ Med* 52(11):1045–1054.

**0029.** Boal W, Leiss J, Ratcliffe J, Sousa S, Lyden J, Li J, Jagger J [2010]. The national study to prevent blood exposure in paramedics: rates of exposure to blood. *Int Arch Occup Environ Health* 83(2):191–199.

**0030.** Bobick TG, McKenzie EA Jr., Kau TY [2010]. Evaluation of guardrail systems for preventing falls through roof and floor holes. *J Saf Res* 41(3):203–211.

*NORA: Construction*

**0031.** Bowman JD, Miller CK, Krieg EF, Song RG [2010]. Analyzing digital vector waveforms of 0–3000 Hz magnetic fields for health studies. *Bioelectromagnetics* 31(5):391–405.

**0032.** Bruening DA, Cooney KM, Buczek FL, Richards JG [2010]. Measured and estimated ground reaction forces for multi-segment foot models. *J Biomech* 43(16):3222–3226.

**0033.** Buczek FL, Rainbow MJ, Cooney KM, Walker MR, Sanders JO [2010]. Implications of using hierarchical and six degree-of-freedom models for normal gait analyses. *Gait Posture* 31(1):57–63.

**0034.** Bugarski AD, Cauda EG, Janisko SJ, Hummer JA, Patts LD [2010]. Aerosols emitted in underground mine air by diesel engine fueled with biodiesel. *J Air Waste Manage Assoc* 60(2):237–244.

**0035.** Burch JB, Svendsen E, Siegel PD, Wagner SE, von Essen S, Keefe T, Mehaffy J, Martinez AS, Bradford M, Baker L, Cranmer B, Saito R, Tessari J, Linda P, Andersen C, Christensen O, Koehncke N, Reynolds SJ [2010]. Endotoxin exposure and inflammation markers among agricultural workers in Colorado and Nebraska. *J Toxicol Environ Health, A* 73(1):5–22.

**0036.** Burgess-Limerick R, Krupenia V, Wallis G, Pratim-Bannerjee A, Steiner L [2010]. Directional control-response relationships for mining equipment. *Ergonomics* 53(6):748–757.

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- 0037.** Burgess-Limerick R, Krupenia V, Zupanc C, Wallis G, Steiner L [2010]. Reducing control selection errors associated with underground bolting equipment. *Appl Ergon* 41(4):549–555.
- 0038.** Bushnell PT, Colombi A, Caruso CC, Tak S [2010]. Work schedules and health behavior outcomes at a large manufacturer. *Ind Health* 48(4):395–405.
- 0039.** Calvert GM, Higgins SA [2010]. Using surveillance data to promote occupational health and safety policies and practice at the state level: a case study. *Am J Ind Med* 53(2):188–193.
- 0040.** Calvert GM, Ruder AM, Petersen MR [2010]. Mortality and end-stage renal disease incidence among dry cleaning workers. *Occup Environ Med* [Electronic publication-ahead of print].
- 0041.** Camargo HE, Ravetta PA, Burdisso RA, Smith AK [2009]. Application of phased array technology for identification of low frequency noise sources. *J Low Freq Noise, Vib Active Control* 28(4):237–244.
- 0042.** Cao G, Jang M [2010]. An SOA model for toluene oxidation in the presence of inorganic aerosols. *Environ Sci Technol* 44(2):727–733.
- 0043.** Cao LY, Taylor JS, Sood A, Murray D, Siegel PD [2010]. Allergic contact dermatitis to synthetic rubber gloves: changing trends in patch test reactions to accelerators. *Arch Dermatol* 146(9):1001–1007.
- 0044.** Carlo RV, Sheehy J, Feng HA, Sieber WK [2010]. Laboratory evaluation to reduce respirable crystalline silica dust when cutting concrete roofing tiles using a masonry saw. *J Occup Environ Hyg* 7(4):245–251.
- 0045.** Carreón T, Hein MJ, Viet SM, Hanley KW, Ruder AM, Ward EM [2010]. Increased bladder cancer risk among workers exposed to o-toluidine and aniline: a reanalysis. *Occup Environ Med* 66(5):348–350.
- 0046.** Caruso CC, Hitchcock EM [2010]. Strategies for nurses to prevent sleep-related injuries and errors. *Rehabil Nurs* 35(5):192–197.
- 0047.** Castrodale L, Bellay YM, Brown CM, Cantor FL, Gibbins JD, Headrick ML, Leslie MJ, MacMahon K, O'Quin JM, Patronek GJ, Silva RA, Wright JC, Yu DT [2010]. General public health considerations for responding to animal hoarding cases. *J Environ Health* 72(7):14–18.  
*NORA: Services: Agriculture, Forestry and Fishing*
- 0048.** Cauda E, Patts L [2010]. Potential concerns with the use of diesel oxidation catalysts in underground mines. *Coal Age* 115(2):54–55.  
*NORA: Mining*
- 0049.** Cauda EG, Bugarski AD, Mischler SE [2010]. A review of the effects of exhaust aftertreatment on nitrogen dioxide emissions from underground mining equipment. *Min Eng* 62(11):60–67.

- 0050.** Chaisson NF, Kreiss K, Hnizdo E, Hakobyan A, Enright PL [2010]. Evaluation of methods to determine excessive decline of forced expiratory volume in one second in workers exposed to diacetyl-containing flavorings. *J Occup Environ Med* 52(11):1119–1123.
- 0051.** Chang Q, Pan J, Wang X, Zhang Z, Chen F, Shi X [2010]. Reduced reactive oxygen species-generating capacity contributes to the enhanced cell growth of arsenic-transformed epithelial cells. *Cancer Res* 70(12):5127–5135.
- 0052.** Charles LE, Burchfiel CM, Fekedulegn D, Gu JK, Petrovitch H, Sanderson WT, Masaki K, Rodriguez BL, Andrew ME, Ross GW [2010]. Occupational exposure to pesticides, metals, and solvents: the impact on mortality rates in the Honolulu Heart Program. *Work* 37(2):205–215.
- 0053.** Charles LE, Burchfiel CM, Mnatsakanova A, Fekedulegn D, Tinney-Zara C, Joseph PN, Schunemann HJ, Violanti JM, Andrew ME, Ochs-Balcom HM [2010]. Antioxidants and pulmonary function among police officers. *J Occup Environ Med* 52(11):1124–1131.  
*NORA: Research Tools and Approaches: Intervention Effectiveness Research*
- 0054.** Chaumont Menéndez CK, Havea SA [2010]. Temporal patterns in work-related fatalities among foreign-born workers in the US, 1992–2007. *J Immigr Health* [Electronic publication-ahead of print].  
*NORA: Manufacturing: Services*
- 0055.** Chekan GJ, Rider JP, Listak JM, Colinet JF, Potts JD [2010]. Impact of air velocity and support advance on shield-generated dust. *Min Eng* 62(4):57–63.  
*NORA: Mining*
- 0056.** Chen BT, Afshari A, Stone S, Jackson M, Schwegler-Berry D, Frazer DG, Castranova V, Thomas TA [2010]. Nanoparticles-containing spray can aerosol: characterization, exposure assessment, and generator design. *Inhal Toxicol* 22(13):1072–1082.
- 0057.** Chipinda I, Ajibola RO, Morakinyo MK, Ruwona TB, Simoyi RH, Siegel PD [2010]. Rapid and simple kinetics screening assay for electrophilic dermal sensitizers using nitrobenzenethiol. *Chem Res Toxicol* 23(5):918–925.
- 0058.** Coble JB, Stewart PA, Vermeulen R, Yereb D, Stanevich R, Blair A, Silverman DT, Attfield M [2010]. The diesel exhaust in miners study: II. Exposure monitoring surveys and development of exposure groups. *Ann Occup Hyg* 54(7):747–761.
- 0059.** Coca A, Roberge RJ, Williams WJ, Landsittel DP, Powell JB, Palmiero A [2010]. Physiological monitoring in firefighter ensembles: wearable plethysmographic sensor vest versus standard equipment. *J Occup Environ Hyg* 7(2):109–114.
- 0060.** Coca A, Williams WJ, Roberge RJ, Powell JB [2010]. Effects of fire fighter protective ensembles on mobility and performance. *Appl Ergon* 41(4):636–641.
- 0061.** Coffey CC, Pearce TA [2010]. Direct-reading methods for workplace air monitoring. *J Chem Health Saf* 17(3):10–21.

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**0062.** Coleman BK, Wells JR, Nazaroff WW [2010]. Investigating ozone-induced decomposition of surface-bound permethrin for conditions in aircraft cabins. *Indoor Air* 20(1):61–71.

**0063.** Coleman PJ, Brune J, Martini L [2010]. Characteristics of the top five most frequent injuries in United States mining operations, 2003–2007. *Trans Soc Min Metal Explor* 326:61–70.

**0064.** Collins JW, Bell JL, Grönqvist R [2010]. Developing evidence-based interventions to address the leading causes of workers' compensation among healthcare workers. *Rehabil Nurs* 35(6):225–235, 261.

**0065.** Connor TH [2010]. Identification and safe handling of hazardous drugs. *Pharm Purch Prod* 7(3):10–13.

*NORA: Healthcare and Social Assistance*

**0066.** Connor TH [2010]. The 2010 update to the NIOSH list of hazardous drugs. *Pharm Purch Prod* 7(11):28–30.

*NORA: Healthcare and Social Assistance*

**0067.** Connor TH, DeBord DG, Pretty JR, Oliver MS, Roth TS, Lees PSJ, Krieg EF Jr., Rogers B, Escalante CP, Toennis CA, Clark JC, Johnson BC, McDiarmid MA [2010]. Evaluation of antineoplastic drug exposure of health care workers at three university-based US cancer centers. *J Occup Environ Med* 52(10):1019–1027.

**0068.** Conway GA [2010]. Bridging gaps in agricultural safety and health. *J Agromed* 15(3):180–183.

*NORA: Agriculture, Forestry and Fishing*

**0069.** Couch JR, Petersen M, Rice C, Schubauer-Berigan MK [2010]. Development of retrospective quantitative and qualitative job-exposure matrices for exposures at a beryllium processing facility. *Occup Environ Med* [Electronic publication–ahead of print].

*NORA: Manufacturing*

**0070.** Crook B, Burton NC [2010]. Indoor moulds, sick building syndrome and building related illness. *Fungal Biol Rev* 24(3–4):106–113.

*NORA: Services*

**0071.** Cummings KJ, Donat WE, Ettenson DB, Roggeli VL, Ingram P, Kreiss K [2010]. Pulmonary alveolar proteinosis in workers at an indium processing facility. *Am J Respir Crit Care Med* 181(5):458–464.

**0072.** Cummings KJ, Gaughan DM, Kullman GJ, Beezhold DH, Green BJ, Blachere FM, Bledsoe T, Kreiss K, Cox-Ganser J [2010]. Adverse respiratory outcomes associated with occupational exposures at a soy processing plant. *Eur Respir J* 36(5):1007–1015.

**0073.** Cummings KJ, Kreiss K, Roggeli VL [2010]. Pulmonary alveolar proteinosis in workers at an indium processing facility. *Am J Respir Crit Care Med* 182(4):578–579.

**0074.** Cunningham TR, Galloway-Williams N, Geller ES [2010]. Protecting the planet and its people: how do interventions to promote environmental sustainability and occupational safety and health overlap? *J Saf Res* 41(5):407–416.

*NORA: Construction*

**0075.** Cunningham TR, Sinclair RC, Harney AMG, Smallwood SW, Christianson AL [2010]. A safety information campaign to reduce sharps injuries: results from the stop sticks campaign. *J Commun Healthcare* 3(3–4):164–184.

**0076.** Curwin BD, Hein MJ, Barr DB, Striley C [2010]. Comparison of immunoassay and HPLC-MS/MS used to measure urinary metabolites of atrazine, metolachlor, and chlorpyrifos from farmers and non-farmers in Iowa. *J Expo Sci Environ Epidemiol* 20(2):205–212.

*NORA: Agriculture, Forestry and Fishing*

**0077.** Dang B, Chen L, Mueller C, Dunn KH, Almaguer D, Roberts JL, Otto CS [2010]. Ocular and respiratory symptoms among lifeguards at a hotel indoor waterpark resort. *J Occup Environ Med* 52(2):207–213.

**0078.** Daniels RD, Schubauer-Berigan MK [2010]. A meta-analysis of leukaemia risk from protracted exposure to low-dose gamma radiation. *Occup Environ Med* [Electronic publication–ahead of print].

**0079.** Davis KG, Kotowski SE, Albers J, Marras WS [2010]. Investigating reduced bag weight as an effective risk mediator for mason tenders. *Appl Ergon* 41(6):822–831.

**0080.** Davis RR, Custer DA, Krieg E, Alagramam K [2010]. N-acetyl L-cysteine does not protect mouse ears from the effects of noise. *J Occup Med Toxicol* 5(1):11.

**0081.** de Castro A, Fujishiro K, Rue T, Tagalog E, Samaco-Paquiz L, Gee G [2010]. Associations between work schedule characteristics and occupational injury and illness. *Int Nurs Rev* 57(2):188–194.

*NORA: Manufacturing*

**0082.** de Perio MA, Durgam S, Caldwell KL, Eisenberg J [2010]. A health hazard evaluation of antimony exposure in fire fighters. *J Occup Environ Med* 52(1):81–84.

*NORA: Services*

**0083.** De Rosa MI, Litton CD [2010]. Rapid detection and suppression of mining equipment cab fires. *Fire Technol* 46(2):425–435.

*NORA: Mining*

**0084.** Decker JA, DeBord DG, Weston A, Hoover MD [2010]. Exploring the exposome. *Synergist* 21(6):32–33.

**0085.** Deitchman S, Miller C, Jones RL, Whitcomb RC Jr., Nemhauser JB, Halpin J, Sosin D, Popovic T, Uranek K [2010]. CDC grand rounds: radiological and nuclear preparedness. *MMWR* 59(36):1178–1181.

## I. Journal Articles

- 0086.** DiNapoli VA, Benkovic SA, Li X, Kelly KA, Miller DB, Rosen CL, Huber JD, O'Callaghan JP [2010]. Age exaggerates proinflammatory cytokine signaling and truncates signal transducers and activators of transcription 3 signaling following ischemic stroke in the rat. *Neuroscience* 170(2):633–644.
- 0087.** Ding M, Zhao JS, Bowman L, Lu YJ, Shi XL [2010]. Inhibition of AP-1 and MAPK signaling and activation of Nrf2/ARE pathway by quercitrin. *Int J Oncol* 36(1):59–67.
- 0088.** Dodrill MW, Fedan JS [2010]. Lipopolysaccharide hyperpolarizes guinea pig airway epithelium by increasing the activities of the epithelial Na<sup>(+)</sup> channel and the Na<sup>(+)</sup>-K<sup>(+)</sup> pump. *Am J Physiol Lung Cell Mol Physiol* 299(7):L550–L558.
- 0089.** Dong RG, McDowell TW, Welcome DE, Wu JZ [2010]. An evaluation of the methods for deriving representative frequency response functions of the human whole-body system. *Ind Health* 48(5):596–605.
- 0090.** Dong RG, Rakheja S, McDowell TW, Welcome DE, Wu JZ [2010]. Estimation of the biodynamic responses distributed at fingers and palm based on the total response of the hand-arm system. *Int J Ind Ergon* 40(4):425–436.
- 0091.** Dougherty HN, Karacan CÖ, Goodman GVR [2010]. Reservoir diagnosis of longwall gobs through drawdown tests and decline curve analyses of gob gas venthole productions. *Int J Rock Mech Min Sci* 47(5):851–857.
- 0092.** DuCarme JP, Kvitowski AJ, Bartels JR [2010]. Operating speed assessments of underground mining equipment. *Min Eng* 62(3):39–45.
- 0093.** Edmonds J, Clark P, Williams L, Lindquist HD, Martinez K, Gardner W, Shadomy S, Hornsby-Myers J [2010]. Multigeneration cross contamination of mail with *Bacillus* species spores by tumbling. *Appl Environ Microbiol* 76(14):4797–4804.
- 0094.** Eggerth DE, Flynn MA [2010]. When the third world comes to the first: ethical considerations when working with Hispanic immigrants. *Ethics Behav* 20(3–4):229–242.  
*NORA: Construction*
- 0095.** Enright PL, Skloot GS, Cox-Ganser JM, Udasin IG, Herbert R [2010]. Quality of spirometry performed by 13,599 participants in the World Trade Center Worker and Volunteer Medical Screening Program. *Respir Care* 55(3):303–309.  
*NORA: Services*
- 0096.** Erdely A, Kepka-Lenhart D, Salmen-Muniz R, Chapman R, Hulderman T, Kashon M, Simeonova PP, Morris SM Jr. [2010]. Arginase activities and global arginine bioavailability in wild-type and ApoE-deficient mice: responses to high fat and high cholesterol diets. *PLoS ONE* 5(11):e15253.
- 0097.** Esterhuizen GS, Dolinar DR, Ellenberger JL [2010]. Pillar strength in underground stone mines in the United States. *Int J Rock Mech Min Sci* 48(1):42–50.

- 0098.** Estes CR, Jackson LL, Castillo DN [2010]. Occupational injuries and deaths among younger workers—United States, 1998–2007. *JAMA* 304(1):33–35.
- 0099.** Estes CR, Jackson LL, Castillo DN [2010]. Occupational injuries and deaths among younger workers—United States, 1998–2007. *MMWR* 59(15):449–455.
- 0100.** Evans DE, Ku BK, Birch ME, Dunn KH [2010]. Aerosol monitoring during carbon nanofiber production: mobile direct-reading sampling. *Ann Occup Hyg* 54(5):514–531.
- 0101.** Fekedulegn D, Andrew M, Violanti J, Hartley T, Charles L, Burchfiel C [2010]. Comparison of statistical approaches to evaluate factors associated with metabolic syndrome. *J Clin Hypertens* 12(5):365–373.
- 0102.** Fent KW [2010]. Case studies: evaluation of chemical hazards at a criminal investigation section of a police department. *J Occup Environ Hyg* 7(10):D73–D78.  
*NORA: Services*
- 0103.** Fingerhut M [2010]. Implementing the global plan of action for workers health. *J Occup Saf Health* 18(2):182–195.
- 0104.** Fisher E, Shaffer R [2010]. Survival of bacteriophage MS2 on filtering facepiece respirator coupons. *Appl Biosafety* 15(2):71–76.  
*NORA: Healthcare and Social Assistance*
- 0105.** Fisher EM, Williams J, Shaffer RE [2010]. The effect of soil accumulation on multiple decontamination processing of N95 filtering facepiece respirator coupons using physical methods. *J Int Soc Respir Prot* 27(1):16–26.  
*NORA: Healthcare and Social Assistance*
- 0106.** Frasch HF, Zang L-Y, Barbero AM, Anderson SE [2010]. *In vitro* dermal penetration of 4-chloro-3-methylphenol from commercial metal working fluid and aqueous vehicles. *J Toxicol Environ Health, A* 73(20):1394–1405.
- 0107.** Fujishiro K, Diez Roux AV, Landsbergis P, Baron S, Barr RG, Kaufman JD, Polak JF, Hinckley Stukovsky K [2010]. Associations of occupation, job control and job demands with intima-media thickness: the multi-ethnic study of atherosclerosis (MESA). *Occup Environ Med* [Electronic publication-ahead of print].  
*NORA: Healthcare and Social Assistance*
- 0108.** Fujishiro K, Gee GC, de Castro AB [2010]. Associations of workplace aggression with work-related well-being among nurses in the Philippines. *Am J Publ Health* [Electronic publication-ahead of print].  
*NORA: Manufacturing*
- 0109.** Fujishiro K, Gong F, Baron S, Jacobson CJ Jr., DeLaney S, Flynn M, Eggerth DE [2010]. Translating questionnaire items for a multi-lingual worker population: the iterative process of

## I. Journal Articles

translation and cognitive interviews with English-, Spanish-, and Chinese-speaking workers. *Am J Ind Med* 53(2):194–203.

*NORA: Manufacturing: Construction*

**0110.** Fujishiro K, Landsbergis PA, Diez Roux AV, Stukovsky KH, Shrager S, Baron S [2010]. Factorial invariance, scale reliability, and construct validity of the job control and job demands scales for immigrant workers: the multi-ethnic study of atherosclerosis. *J Immigrant Minority Health* [Electronic publication-ahead of print].

*NORA: Healthcare and Social Assistance*

**0111.** Fujishiro K, Xu J, Gong F [2010]. What does "occupation" represent as an indicator of socioeconomic status? Exploring occupational prestige and health. *Soc Sci Med* 71(12):2100–2107.

*NORA: Manufacturing*

**0112.** Fullerton CS, Reissman DB, Gray C, Flynn BW, Ursano RJ [2010]. Earthquake response and psychosocial health outcomes: applying lessons from integrating systems of care and recovery to Haiti. *Disaster Med Public Health Prep* 4(1):15–17.

**0113.** Galinsky T, Feng HA, Streit J, Brightwell W, Pierson K, Parsons K, Proctor C [2010]. Risk factors associated with patient assaults of home healthcare workers. *Rehabil Nurs* 35(5):206–215.

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*NORA: Agriculture, Forestry and Fishing*

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*NORA: Agriculture, Forestry and Fishing*

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*NORA: Agriculture, Forestry and Fishing*

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*NORA: Healthcare and Social Assistance*

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*NORA: Healthcare and Social Assistance*

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*NORA: Services: Public Safety*

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- NORA: Manufacturing*
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- NORA: Manufacturing*
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- NORA: Agriculture, Forestry and Fishing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Services: Public Safety*

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*NORA: Healthcare and Social Assistance*

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*NORA: Healthcare and Social Assistance*

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**0506.** NIOSH [2010]. NIOSH Information Circular (IC) 9524: How to operate a refuge chamber: a quick start guide—instructor guide and lesson plan. By Hall EE, Margolis KA. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011–100.

*NORA: Mining*

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*NORA: Mining*

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*NORA: Mining*

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*NORA: Agriculture, Forestry and Fishing*

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Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011–104.

*NORA: Agriculture, Forestry and Fishing*

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*NORA: Agriculture, Forestry and Fishing*

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*NORA: Work Environment and Workforce: Special Populations*

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*NORA: Healthcare and Social Assistance: Manufacturing*
- 0524.** NIOSH [2010]. High impact: prevention of vehicle and mobile equipment-related injury. Pittsburgh, PA/Cincinnati, OH: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011–119.
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*NORA: Services: Public Safety*

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## IV. ABSTRACTS/PROCEEDINGS

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**0532.** Anderson SE, Umbright C, Sellamuthu R, Fluharty K, Franko J, Jackson L, Kashon M, Johnson V, Joseph P [2010]. Is ortho-phthalaldehyde a safe alternative to glutaraldehyde [Abstract]? *Toxicologist* 114(1):66.

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**0534.** Azman AS, Randolph RF, Hudak RL [2010]. NIOSH tools for hearing loss prevention programs. In: SME Annual Meeting and Exhibit. Preprint 10–085. Littleton, CO: Society for Mining, Metallurgy, and Exploration, Inc.

**0535.** Azman AS, Yantek DS [2010]. Estimating the performance of sound restoration hearing protectors by using the speech intelligibility index. In: Proceedings of the ASME International Mechanical Engineering Congress & Exposition. New York: The American Society of Mechanical Engineers.

**0536.** Bealko SB, Alexander D, Chasko LL, Holtan J [2010]. New simulated gas detector offers realistic training for mine rescue teams. In: Hardcastle S, McKinnon DL, eds. Proceedings of the 13th U.S./North American Mine Ventilation Symposium. Sudbury, Ontario, Canada: MIRARCO—Mining Innovation, pp. 3–8.

*NORA: Mining*

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**0540.** Biddle EA, Bobick TG, McKenzie EA Jr. [2010]. Cost of fall-related occupational injuries in construction, 2003–2006. In: Proceedings of the International Conference on Fall Prevention and Protection. Morgantown, WV: National Institute for Occupational Safety and Health.

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**0542.** Camargo HE, Peterson JS, Kovalchik PG, Alcorn LA [2010]. Acoustic comparison of pneumatic and electric jackleg drills used in the mining industry. In: Burroughs CB, Maling G, eds. Proceedings of the National Conference on Noise Control Engineering and 159th Meeting of the Acoustical Society of America. Indianapolis, IN: Institute of Noise Control Engineering of the USA, Paper No. 3aNCC2.

**0543.** Cauda EG, Bugarski AD, Patts L [2010]. Diesel aftertreatment control technologies in underground mines: the NO<sub>2</sub> issue. In: Hardcastle S, McKinnon DL, eds. Proceedings of the 13th U.S./North American Mine Ventilation Symposium. Sudbury, Ontario, Canada: MIRARCO—Mining Innovation, pp. 17–24.

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**0545.** Chipinda I, Ruwona TB, Templeton SP, Siegel PD [2010]. Use of THP-1 cells to identify prohaptens [Abstract]. *Toxicologist* 114(1):298.

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*NORA: Mining*

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## V. CONTROL TECHNOLOGY REPORTS

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## **VI. FATALITY ASSESSMENT AND CONTROL EVALUATION REPORTS**

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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Zhao Z	0026
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<b>Accident prevention</b>	0005 0010 0030 0063 0092 0131 0136 0155 0156 0158 0202 0203 0207 0208 0236 0240 0246 0251 0279 0290 0291 0296 0298 0325 0350 0370 0378 0387 0392 0428 0449 0462 0463 0469 0470 0488 0489 0490 0498 0500 0501 0527 0528 0529 0530 0546 0585 0591 0608 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0660 0661 0662 0664 0665 0666 0667 0668 0669 0672 0673 0674 0675 0676
<b>Accident rates</b>	0005 0030 0063 0121 0130 0131 0137 0148 0202 0203 0207 0208 0240 0246 0251 0274 0279 0296 0298 0325 0481 0482 0488 0522 0527 0528 0531 0540 0544 0591
<b>Accident statistics</b>	0005 0063 0121 0130 0137 0246 0251 0274 0279 0296 0387 0392 0428 0462 0463 0481 0482 0527 0608
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<b>Air quality monitoring</b>	0002 0061 0100 0233 0242 0385 0391 0397 0421 0634
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<b>Air sampling techniques</b>	0023 0035 0187 0242

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<b>Airborne particles</b>	0011 0014 0023 0058 0061 0070 0116 0141 0147 0151 0152 0165 0174 0205 0206 0232 0234 0243 0331 0408 0418 0420 0545 0548 0559 0563 0567 0568 0579 0588 0623 0635 0636 0688
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<b>Allergic dermatitis</b>	0028 0043 0057 0310 0523 0604
<b>Allergic disorders</b>	0028 0263 0309 0310 0331 0401
<b>Allergic reactions</b>	0028 0043 0057 0070 0072 0263 0309 0310 0331 0401 0440 0441 0442 0443 0523 0532 0604
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<b>Animal products workers</b>	0068
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<b>Astrogliosis</b>	0218 0371
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<b>Audiological testing</b>	0145
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<b>Autoimmunity</b>	0073 0263
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<b>Biodynamics</b>	0002 0004 0016 0090 0238 0260 0276 0293
<b>Biohazards</b>	0016 0066 0226 0293 0373 0418 0560 0614 0634 0635
<b>Biological agents</b>	0205 0385
<b>Biological effects</b>	0002 0004 0008 0014 0016 0031 0057 0084 0129 0147 0164 0168 0174 0188 0189 0197 0201 0205 0226 0229 0238 0242 0243 0253 0260 0271 0272 0293 0294 0308 0316 0328 0332 0346 0347 0362 0363 0371 0373 0402 0515 0532 0533 0538 0539 0545 0548 0550 0555 0558 0559 0560 0561 0563 0566 0567 0568 0576 0577 0578 0579 0587 0588 0590 0592 0594 0599 0602 0604 0605 0610 0613 0614 0619 0622 0623 0624 0626 0628 0629 0630
<b>Biological function</b>	0014 0328
<b>Biological monitoring</b>	0002 0004 0019 0031 0059 0067 0069 0143 0146 0166 0188 0197 0201 0229 0242 0272 0346 0373 0539 0550 0594 0610
<b>Biological systems</b>	0016 0031 0052 0067 0140 0166 0294 0308 0328 0346
<b>Biological transport</b>	0004 0067 0166 0205 0346
<b>Biological warfare agents</b>	0085 0123 0264 0520 0634 0635 0636
<b>Biological weapons</b>	0123 0418 0520
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<b>Biophysics</b>	0031
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<b>Bitumens</b>	0185
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<b>Byssinosis</b>	0473 0474
<b>Cancer</b>	0001 0009 0015 0022 0025 0040 0087 0213 0277 0287 0300 0301 0344 0345 0364 0369 0372 0379 0382 0383 0384 0385 0388 0394 0402 0403 0407 0414 0420 0422 0423 0424 0425 0475 0476 0525 0577 0679
<b>Cancer rates</b>	0001 0009 0052 0067 0287 0300 0301 0369 0406 0475 0476 0525
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<b>Carbon nanotubes</b>	0303 0335
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<b>Carcinogenicity</b>	0014 0066 0067 0243 0297 0349 0382 0383 0384 0385 0388 0394 0402 0403 0407 0414 0420 0422 0423 0424 0425 0629
<b>Carcinogens</b>	0001 0040 0067 0149 0262 0287 0301 0306 0324 0342 0343 0349 0372 0382 0383 0384 0385 0388 0394 0402 0403 0407 0414 0420 0422 0423 0424 0425 0475 0476
<b>Cardiac function</b>	0096 0653 0655 0662 0663 0671
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<b>Cell damage</b>	0014 0015 0051 0163 0213 0243 0275 0297 0364 0559 0566 0576 0590 0622 0624 0626 0629
<b>Cell function</b>	0014 0022 0051 0087 0163 0167 0198 0213 0243 0253 0254 0307 0344 0558 0566 0590 0624 0626
<b>Cell metabolism</b>	0002 0014 0243 0262
<b>Cell morphology</b>	0014 0226 0243 0539
<b>Cell transformation</b>	0014 0015 0022 0051 0163 0243

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<b>Cellular function</b>	0022 0051 0087 0163 0295 0558
<b>Cellular reactions</b>	0002 0014 0015 0035 0057 0163 0167 0226 0238 0243 0253 0254 0262 0275 0293 0297 0307 0532 0533 0538 0539 0545 0550 0555 0558 0559 0563 0566 0567 0588 0590 0592 0594 0599 0602 0604 0605 0610 0613 0622 0623 0624 0626 0629 0630
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<b>Chemical manufacturing industry</b>	0045 0471 0472
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<b>Chemical reactions</b>	0002 0004 0014 0042 0057 0062 0132 0133 0151 0152 0179 0226 0243 0262 0293 0373 0385 0545 0548 0560 0563 0567 0577 0602 0604 0622 0623 0630
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<b>Coal miners</b>	0036 0041 0177 0184 0185 0219 0236 0237 0239 0268 0341 0428 0448 0536 0556 0573 0574 0586 0596 0606 0608
<b>Coal processing</b>	0184 0341 0419 0573 0596 0625
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<b>Coal workers pneumoconiosis</b>	0184 0185 0224 0268 0431
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<b>Combustion products</b>	0306 0336 0419
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<b>Computer software</b>	0143 0360 0446 0448 0496 0549 0618
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<b>Connective tissue</b>	0438 0439
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<b>Control methods</b>	0037 0232 0242 0442 0443 0444 0445 0508
<b>Control systems</b>	0232 0508 0526 0616 0634
<b>Control technology</b>	0037 0041 0044 0055 0091 0171 0173 0240 0242 0259 0268 0278 0365 0389 0390 0392 0409 0410 0411 0428 0431 0451 0452 0455 0468 0526 0542 0591 0600 0606 0617 0621 0634 0635 0636 0637 0679 0680 0683 0691
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<b>Cytology</b>	0002 0238 0293
<b>Cytotoxic effects</b>	0057 0197 0216 0243 0262 0307 0346 0559 0563 0567 0576 0588 0629
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<b>DNA damage</b>	0297 0566
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<b>Deoxyribonucleic acids</b>	0394
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<b>Diesel engines</b>	0049 0058 0324 0342 0343
<b>Dietary effects</b>	0053 0295
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<b>Disaster prevention</b>	0085 0381 0483 0484
<b>Disease control</b>	0195 0221 0222 0689
<b>Disease incidence</b>	0001 0052 0184 0225
<b>Disease prevention</b>	0017 0068 0075 0143 0160 0195 0225 0287 0405 0475 0476 0477 0478

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<b>Drug abuse</b>	0313
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<b>Drug therapy</b>	0272 0692
<b>Dry cleaning solvents</b>	0040 0686
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<b>Dust collection</b>	0072 0194 0211 0278
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<b>Dust counters</b>	0260 0431 0455
<b>Dust explosions</b>	0580
<b>Dust exposure</b>	0044 0072 0167 0186 0191 0212 0248 0260 0261 0267 0341 0347 0389 0390 0566 0580 0626
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<b>Dust inhalation</b>	0035 0061 0071 0072 0191 0248 0267 0341 0389 0390
<b>Dust measurement</b>	0035 0260 0389 0390
<b>Dust particles</b>	0061 0071 0169 0191 0210 0211 0212 0248 0258 0260 0267 0341 0347 0487 0566 0580 0595 0601 0626 0685
<b>Dust sampling</b>	0191 0261 0431 0455
<b>Dust suppression</b>	0044 0209 0537 0572 0580
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<b>Emergency equipment</b>	0434 0435 0440 0441 0506 0507 0528
<b>Emergency responders</b>	0013 0029 0047 0082 0102 0125 0177 0279 0334 0466 0467 0489 0490 0491 0497 0499 0500 0520 0528 0536 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0660 0661 0662 0664 0665 0666 0667 0668 0669 0670 0671 0672 0673 0674 0675 0676 0688
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<b>Endocrine system disorders</b>	0013

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<b>Environmental control</b>	0151 0152 0242 0432 0433 0689
<b>Environmental control equipment</b>	0232
<b>Environmental exposure</b>	0042 0047 0084 0151 0152 0168 0193 0221 0222 0331 0335 0383 0407 0434 0435 0436 0437 0438 0439 0440 0441 0442 0443 0533 0548 0555 0622 0623 0626 0628
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<b>Environmental physiology</b>	0151 0152
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<b>Equipment operators</b>	0036 0092 0223 0290 0315 0324 0365 0469 0470 0502 0529 0530 0573 0574 0596 0608 0646
<b>Equipment reliability</b>	0171 0190 0194 0281 0536 0617 0636
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<b>Explosion prevention</b>	0169 0428 0483 0484 0487 0580 0632 0633
<b>Explosion protection</b>	0483 0484 0580 0632
<b>Explosive atmospheres</b>	0181 0237 0428 0580 0632 0647
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<b>Fibrogenicity</b>	0212 0269 0473 0474 0563 0612
<b>Fibrosis</b>	0159 0184 0269 0335 0473 0474 0612
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<b>Fibrous dusts</b>	0212 0260 0347 0406
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<b>Gas welders</b>	0629
<b>Gases</b>	0042 0058 0061 0115 0171 0343 0406 0428 0633
<b>Gastric juice</b>	0322
<b>Gastrointestinal system disorders</b>	0344 0388 0677 0682
<b>Gene regulation</b>	0217
<b>Gene mutation</b>	0015 0026 0051 0277 0558
<b>Genetic disorders</b>	0178

<b>Keyword</b>	<b>Citation Number(s)</b>
<b>Genetic engineering</b>	0345
<b>Genetic factors</b>	0084 0164 0179 0226 0344 0369 0375 0563 0578 0623 0628
<b>Genetics</b>	0051 0084 0179 0217 0277 0344 0345
<b>Genotoxic effects</b>	0026 0134 0216 0217 0297 0558
<b>Genotoxicity</b>	0026 0134 0297 0420 0558
<b>Geology</b>	0236 0356 0551 0552 0553 0554 0581
<b>Germicides</b>	0105
<b>Glandular disorders</b>	0164
<b>Glutathione</b>	0019
<b>Gold mines</b>	0289
<b>Ground stability</b>	0097 0236 0392 0409 0547 0551 0552 0553 0554 0582
<b>Guanidines</b>	0043
<b>Hand injuries</b>	0328 0361 0363 0448
<b>Hand protection</b>	0358
<b>Hand tools</b>	0090 0360 0363
<b>Hand transmitted vibration</b>	0090
<b>Hard metals</b>	0319
<b>Hard rock mines</b>	0315
<b>Hazardous materials</b>	0227 0228 0232 0245 0272 0359 0505 0515
<b>Head injuries</b>	0125 0448
<b>Health behavior</b>	0038
<b>Health disparities</b>	0110
<b>Health care facilities</b>	0046 0075 0081 0153 0205 0227 0228 0329 0352 0514 0527 0678 0687 0694 0695
<b>Health care personnel</b>	0016 0024 0029 0043 0046 0064 0065 0066 0075 0081 0108 0113 0114 0125 0183 0192 0225 0227 0228 0252 0272 0284 0285 0329 0335 0352 0354 0378 0447 0466 0467 0503 0504 0514 0515 0523 0527 0678 0687 0692 0694 0695
<b>Health hazards</b>	0011 0062 0066 0162 0205 0227 0228 0386 0391 0479 0480 0515 0520 0523 0566 0599 0622 0624 0630
<b>Health programs</b>	0068 0393 0515 0520
<b>Health protection</b>	0075 0116 0393 0548
<b>Health science personnel</b>	0068
<b>Health services</b>	0153 0393 0521
<b>Health standards</b>	0515 0521
<b>Health surveys</b>	0108 0111 0145 0200 0254 0329 0330 0521
<b>Hearing</b>	0145 0172 0315 0323 0399 0400 0404 0413 0416 0427 0430 0508 0535 0541 0542 0573 0596 0600 0625 0687
<b>Hearing conservation</b>	0041 0139 0172 0323 0377 0399 0400 0404 0410 0412 0413 0416 0427 0430 0460 0461 0508 0534 0542 0574 0575 0600 0618 0631 0679 0687
<b>Hearing disorders</b>	0041 0080 0241 0399 0404 0410 0412 0413 0416 0427 0430 0460 0461 0492 0541 0542 0600
<b>Hearing impairment</b>	0041 0080 0145 0241 0399 0404 0410 0412 0413 0416 0427 0430 0460 0461 0492 0496 0508 0535 0542 0687
<b>Hearing level</b>	0145 0172 0315 0365
<b>Hearing loss</b>	0041 0080 0241 0323 0399 0400 0404 0410 0412 0413 0416 0427 0430 0460 0461 0492 0496 0508 0534 0535 0541 0542 0573 0575 0589 0596 0600 0618 0625 0631 0687
<b>Hearing protection</b>	0139 0172 0323 0377 0399 0404 0410 0413 0416 0427 0430 0460 0461 0492 0508 0534 0535
<b>Hearing threshold</b>	0145 0172 0315
<b>Heat acclimatization</b>	0161
<b>Heat exchange</b>	0616

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<b>Heat exhaustion</b>	0648
<b>Heat exposure</b>	0161 0434 0435 0648
<b>Heat stress</b>	0161 0434 0435 0648
<b>Heat stroke</b>	0161 0434 0435 0648
<b>Heat tolerance</b>	0161
<b>Heavy metals</b>	0082 0318 0432 0433
<b>Hematopoietic system</b>	0001
<b>Hepatotoxicity</b>	0340 0623
<b>Hexanes</b>	0190
<b>Histochemical analysis</b>	0559
<b>Histology</b>	0559
<b>Homocysteine</b>	0179
<b>Hormones</b>	0164
<b>Hospital equipment</b>	0004
<b>Human factors engineering</b>	0126 0276 0337 0526
<b>Hydrogen ion activity</b>	0213
<b>Hydrophobic bonds</b>	0348
<b>Hydroxy compounds</b>	0165
<b>Hydroxyl groups</b>	0197 0213
<b>Hydroxylation reactions</b>	0165
<b>Hyperthermia</b>	0161
<b>Hypothermia</b>	0436 0437
<b>Hypoxia</b>	0357
<b>Ignition sources</b>	0181 0237
<b>Immune reaction</b>	0003 0070 0073 0076 0243 0252 0253 0263 0294 0310 0355
<b>Immune system disorders</b>	0192 0205 0263 0555 0677
<b>Immunochemistry</b>	0014 0076 0294 0313
<b>Immunoglobulins</b>	0003 0254 0263
<b>Immunologic disorders</b>	0070 0192 0263
<b>Immunological tests</b>	0254
<b>Immunology</b>	0003 0253 0263 0355
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<b>Impact noise</b>	0041
<b>Impulse noise</b>	0173 0432 0433
<b>Indoor air pollution</b>	0062 0070 0677 0689
<b>Indoor environmental quality</b>	0062 0132 0187 0677 0689
<b>Industrial design</b>	0526
<b>Industrial dusts</b>	0011
<b>Industrial education</b>	0479 0480 0483 0484
<b>Industrial emissions</b>	0232
<b>Industrial environment</b>	0011 0215 0471 0472 0475 0476 0477 0478 0479 0480 0483 0484 0491
<b>Industrial equipment</b>	0529 0530
<b>Industrial exposures</b>	0011 0230 0475 0476
<b>Industrial factory workers</b>	0475 0476 0477 0478 0479 0480 0483 0484
<b>Industrial hazards</b>	0011 0471 0472 0479 0480
<b>Industrial safety</b>	0505
<b>Industrial ventilation</b>	0011
<b>Industry and occupation</b>	0009
<b>Inert gases</b>	0633
<b>Infection control</b>	0105 0195 0199 0221 0222 0282 0284 0418 0444 0445 0466 0467 0689 0691 0694
<b>Infectious diseases</b>	0123 0195 0199 0205 0206 0221 0222 0284 0418 0447 0466 0467 0689

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<b>Infectious diseases (cont.)</b>	0691 0694
<b>Information systems</b>	0009 0094 0359 0520
<b>Inhalants</b>	0014 0061 0138 0243 0257 0304 0317 0318 0420 0550 0567 0579 0623
<b>Inhalation</b>	0008 0189 0257 0331
<b>Inhalation studies</b>	0003 0007 0008 0014 0035 0056 0061 0071 0095 0100 0141 0167 0174 0189 0197 0201 0229 0238 0242 0243 0262 0307 0316 0331 0389 0390 0420 0533 0545 0548 0550 0555 0559 0561 0563 0566 0567 0568 0576 0579 0588 0602 0605 0619 0622 0623 0624 0626 0629 0630
<b>Injury epidemiology</b>	0064
<b>Injury prevention</b>	0005 0010 0030 0036 0037 0046 0060 0063 0068 0075 0077 0092 0113 0114 0118 0125 0131 0137 0155 0156 0158 0162 0170 0178 0202 0203 0207 0208 0223 0237 0239 0240 0244 0246 0250 0251 0271 0274 0279 0290 0291 0298 0325 0328 0329 0337 0338 0346 0350 0351 0352 0354 0363 0366 0370 0378 0405 0440 0441 0449 0462 0463 0469 0470 0471 0472 0477 0478 0479 0480 0488 0489 0490 0498 0500 0501 0509 0510 0511 0512 0514 0516 0517 0518 0524 0526 0527 0528 0529 0530 0534 0542 0546 0585 0586 0591 0606 0608 0637 0638 0639 0640 0641 0643 0644 0645 0646 0647 0650 0652 0657 0658 0666 0669
<b>Inorganic compounds</b>	0042
<b>Insect repellents</b>	0444 0445
<b>Insecticide poisoning</b>	0039 0193
<b>Insecticides</b>	0039 0193 0273 0400 0444 0445 0587 0682 0684
<b>Intestinal cells</b>	0322
<b>Intoxicants</b>	0264
<b>Ionization</b>	0379
<b>Ionizing radiation</b>	0025 0078 0379
<b>Iron compounds</b>	0001 0267
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<b>Isocyanates</b>	0683 0688 0690
<b>Job stress</b>	0046 0107 0110 0111 0192 0395 0396 0491 0519
<b>Judgmental sampling</b>	0426
<b>Kainate</b>	0218
<b>Kidney disorders</b>	0040 0300
<b>Kidney function</b>	0312
<b>Kinetics</b>	0032
<b>Knee</b>	0271
<b>Knee injuries</b>	0586
<b>Knee protection</b>	0586
<b>Laboratory techniques</b>	0102 0229 0355 0622
<b>Laboratory testing</b>	0006 0008 0012 0014 0019 0056 0057 0059 0062 0087 0096 0102 0126 0130 0146 0167 0189 0201 0221 0222 0229 0230 0238 0272 0281 0294 0316 0331 0346 0347 0355 0373 0519 0532 0539 0545 0550 0555 0559 0563 0566 0567 0568 0573 0576 0578 0588 0590 0594 0602 0603 0604 0605 0613 0615 0619 0622 0623 0624 0626 0628 0629
<b>Laboratory workers</b>	0102 0165 0515
<b>Law enforcement workers</b>	0013 0102 0166 0279 0334 0432 0433 0517
<b>Lead absorption</b>	0179
<b>Lead compounds</b>	0014 0382 0677

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<b>Leg injuries</b>	0448
<b>Leukemogenesis</b>	0078 0128
<b>Lifting</b>	0064 0351
<b>Light emission</b>	0296 0366 0607
<b>Light properties</b>	0366 0606
<b>Light source</b>	0296 0606
<b>Lighting</b>	0046 0047 0296 0366 0606
<b>Lighting systems</b>	0296 0366 0606 0607
<b>Limestone</b>	0097
<b>Lipid peroxidation</b>	0197
<b>Lipids</b>	0096
<b>Liquid chromatography</b>	0272 0368
<b>Liver damage</b>	0340
<b>Liver function</b>	0623
<b>Liver microsomes</b>	0623
<b>Longwall mining</b>	0055 0091 0170 0180 0367 0409 0431 0455 0547 0549 0565 0601 0616 0627
<b>Lung cancer</b>	0001 0014 0213 0243 0287 0301 0324 0342 0343 0344 0345 0369 0402 0403 0406 0525
<b>Lung cells</b>	0007 0014 0015 0197 0213 0216 0346 0348 0402 0419 0602 0622 0626 0629
<b>Lung disorders</b>	0007 0014 0050 0073 0122 0143 0167 0176 0186 0189 0212 0216 0229 0243 0257 0269 0288 0289 0341 0345 0347 0369 0402 0403 0406 0431 0455 0473 0474 0533 0559 0563 0576 0588 0626 0679 0694
<b>Lung fibrosis</b>	0212 0216 0347 0431 0455 0473 0474
<b>Lung function</b>	0050 0143 0186 0189 0266 0289 0318 0347 0402 0622 0626 0629
<b>Lung irritants</b>	0007 0014 0088 0167 0186 0212 0216 0229 0243 0269 0318 0419 0442 0443 0533 0559 0563 0566 0576 0588 0626
<b>Lung tissue</b>	0073 0348 0402
<b>Lymphatic system</b>	0001 0532 0533 0576
<b>Machine operation</b>	0291 0365 0469 0470 0634 0635 0636
<b>Machine operators</b>	0036 0324 0365 0448 0573 0574 0589 0596
<b>Machine shop workers</b>	0691
<b>Machine tools</b>	0574
<b>Magnetic fields</b>	0031 0387 0570 0693
<b>Magnetic properties</b>	0031 0387 0570 0630
<b>Maintenance workers</b>	0291
<b>Malignant neoplasms</b>	0015
<b>Mammalian cells</b>	0348
<b>Mammary glands</b>	0164
<b>Management personnel</b>	0046 0069 0166 0520
<b>Manganese compounds</b>	0007 0317 0679
<b>Manual lifting</b>	0079 0114 0352 0353 0354 0398 0519 0586
<b>Masons</b>	0079
<b>Mass spectrometry</b>	0012 0133 0272
<b>Materials handling</b>	0079 0227 0228 0398 0515
<b>Materials handling equipment</b>	0529 0530
<b>Materials transport</b>	0515 0529 0530
<b>Mathematical models</b>	0014 0069 0072 0108 0111 0126 0128 0136 0137 0144 0145 0151 0152 0171 0214 0235 0249 0259 0265 0301 0328 0346 0579 0616 0617 0633
<b>Measurement equipment</b>	0032 0126 0170 0190 0230 0231 0311 0313 0358 0575 0584 0631

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<b>Meat handlers</b>	0005
<b>Medical examinations</b>	0025 0050 0648 0653 0655 0662 0670 0671
<b>Medical facilities</b>	0046 0066 0081 0153 0329 0352 0514
<b>Medical monitoring</b>	0160 0491 0521 0648 0670 0671
<b>Medical personnel</b>	0016 0046 0064 0065 0066 0075 0081 0108 0113 0114 0125 0192 0225 0272 0284 0329 0352 0354 0503 0504 0515 0521 0523 0527 0692
<b>Medical treatment</b>	0010 0066 0345 0503 0504 0692
<b>Medicinal chemicals</b>	0016 0066 0345
<b>Mental disorders</b>	0113 0329
<b>Mental fatigue</b>	0046
<b>Mental health</b>	0112 0127
<b>Mental illness</b>	0113 0329
<b>Mental stress</b>	0046 0127
<b>Mercaptans</b>	0043
<b>Metabolic disorders</b>	0013 0101
<b>Metabolic study</b>	0004 0076 0096 0101
<b>Metabolites</b>	0076 0129 0313 0385 0420
<b>Metal compounds</b>	0007 0052 0233 0322 0368 0400 0577 0630
<b>Metal dusts</b>	0007 0011 0267 0389 0533 0623 0630 0680 0685
<b>Metal fumes</b>	0007 0008 0233 0317 0623 0685
<b>Metal industry workers</b>	0011 0106 0233 0685
<b>Metal mining</b>	0220 0389 0455 0593 0597 0598
<b>Metal oxides</b>	0197 0232
<b>Metal poisoning</b>	0008 0577
<b>Metal refining</b>	0233 0685
<b>Metal workers</b>	0106 0317
<b>Metallic compounds</b>	0007 0267
<b>Metalworking fluids</b>	0106 0368 0691
<b>Metalworking industry</b>	0577
<b>Methacholines</b>	0266
<b>Methane control</b>	0091 0258 0428 0468 0549 0565 0595 0632
<b>Methane drainage</b>	0091 0549
<b>Microchemistry</b>	0545 0548
<b>Microorganisms</b>	0093 0123 0221 0222 0227 0228 0242 0281 0282 0331 0464 0465 0677 0682 0691
<b>Microscopic analysis</b>	0168 0189 0211 0234 0336 0539 0545 0548 0550 0561 0566 0567 0590 0594 0605 0610 0613 0623 0624
<b>Microscopy</b>	0023 0234 0336 0362 0545
<b>Military personnel</b>	0148 0623
<b>Mine disasters</b>	0177 0255 0356 0536
<b>Mine escapes</b>	0177 0536
<b>Mine fires</b>	0177 0181 0255 0367
<b>Mine gases</b>	0468
<b>Mine rescue</b>	0177 0255 0536 0569 0571
<b>Mine seals</b>	0495 0609 0616 0621 0633
<b>Mine shafts</b>	0097 0236 0259
<b>Mineral dusts</b>	0580
<b>Mineral processing</b>	0184 0341 0580
<b>Minerals</b>	0119 0120
<b>Miners</b>	0034 0048 0058 0092 0239 0270 0289 0315 0324 0341 0342 0343 0366 0381 0389 0390 0392 0409 0410 0411 0417 0428 0448 0492 0501 0506 0507 0508 0534 0541 0542 0556 0562 0569 0571 0574 0593 0606 0607 0608 0618

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<b>Mining equipment</b>	0036 0041 0055 0058 0083 0092 0170 0209 0258 0268 0271 0290 0291 0306 0315 0342 0343 0365 0366 0410 0448 0506 0507 0536 0537 0547 0551 0552 0554 0562 0570 0572 0593 0595 0601 0603 0606 0617
<b>Mining industry</b>	0036 0041 0048 0055 0058 0063 0083 0091 0092 0097 0169 0170 0171 0177 0180 0181 0184 0209 0219 0223 0239 0240 0255 0258 0259 0268 0270 0271 0278 0289 0290 0291 0306 0315 0324 0341 0342 0343 0356 0365 0366 0367 0381 0389 0390 0392 0409 0410 0411 0417 0428 0431 0448 0450 0455 0468 0487 0492 0495 0501 0506 0507 0534 0535 0536 0537 0541 0542 0543 0546 0547 0549 0551 0552 0553 0554 0556 0557 0562 0564 0565 0569 0571 0572 0573 0574 0575 0580 0581 0582 0583 0584 0585 0586 0589 0591 0593 0595 0596 0597 0598 0600 0601 0603 0606 0607 0608 0609 0611 0615 0616 0617 0618 0620 0621 0625 0627 0631 0632 0633 0690
<b>Mitosis</b>	0297
<b>Molds</b>	0070 0397 0406 0677
<b>Molecular biology</b>	0087 0167 0168 0213 0235 0248 0264 0297 0307 0545 0555 0566 0578 0590 0592 0599 0605 0613 0622 0624
<b>Molecular structure</b>	0014 0042 0168 0175 0235 0264 0297 0348 0566 0590 0622 0624
<b>Monitoring systems</b>	0115 0202 0203 0290 0370 0536 0643
<b>Morbidity rates</b>	0001 0009 0040 0154 0184 0200 0202 0203 0204 0274 0341 0531 0540 0544
<b>Morphology</b>	0336
<b>Mortality data</b>	0009 0027 0040 0045 0052 0054 0098 0099 0159 0161 0224 0246 0274 0287 0300 0324 0334 0343 0414 0475 0476 0477 0478 0509 0510 0511 0512 0514 0522 0524 0528 0529 0530 0531 0540 0544
<b>Mortality rates</b>	0027 0040 0052 0054 0098 0099 0149 0154 0159 0161 0202 0203 0204 0224 0246 0274 0287 0334 0414 0469 0470 0500 0509 0510 0511 0512
<b>Mortality surveys</b>	0052 0159 0224 0334 0414
<b>Motion studies</b>	0032 0089 0373 0519
<b>Motor vehicles</b>	0125 0148 0500 0521 0524 0528 0640 0641 0644 0646 0657 0669
<b>Muscarinic receptor</b>	0373
<b>Muscle function</b>	0018 0019 0079 0146 0295 0337 0353
<b>Muscle physiology</b>	0018 0019 0146 0353
<b>Muscle stress</b>	0018 0019 0079 0146 0353 0519
<b>Muscular disorders</b>	0018 0064
<b>Musculoskeletal system disorders</b>	0018 0114 0155 0223 0270 0271 0328 0333 0338 0351 0352 0353 0354 0447 0451 0452 0681
<b>Mutagens</b>	0026 0306 0372 0384
<b>Mycotoxins</b>	0331
<b>Myeloid tissue</b>	0128
<b>Nanoparticles</b>	0362 0372
<b>Nanotechnology</b>	0023 0056 0100 0115 0116 0165 0168 0182 0189 0216 0229 0230 0231 0232 0233 0234 0238 0245 0260 0267 0269 0280 0293 0297 0303 0304 0307 0308 0336 0346 0347 0348 0359 0362 0372 0402 0418 0424 0494 0566 0590 0594 0610 0612 0624 0630
<b>Neck injuries</b>	0125
<b>Needlestick injuries</b>	0029 0075 0162 0447
<b>Neoplasms</b>	0001 0406
<b>Nerve damage</b>	0256
<b>Nerve fibers</b>	0256
<b>Nerve function</b>	0129 0316
<b>Nerve tissue</b>	0539
<b>Nervous system disorders</b>	0147 0300 0317 0371 0373 0619 0686

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<b>Neurohormones</b>	0539
<b>Neurological diseases</b>	0086 0256 0371
<b>Neurological reactions</b>	0147 0179 0193 0264 0317 0373 0521 0533 0539 0567 0587 0594 0677 0686
<b>Neurological system</b>	0086 0129 0256 0316 0317 0333 0371 0373 0539 0587 0594
<b>Neuromotor disorders</b>	0373 0619
<b>Neuromotor system</b>	0373 0587
<b>Neuropathology</b>	0256 0371
<b>Neuropathy</b>	0373 0686
<b>Neuropharmacology</b>	0264
<b>Neurophysiological effects</b>	0256 0373 0686
<b>Neurophysiology</b>	0373 0533
<b>Neuroprotection</b>	0264
<b>Neurotoxic effects</b>	0129 0218 0316 0340 0533 0594 0686
<b>Neurotoxicity</b>	0218 0316 0340
<b>Neurotoxicology</b>	0218
<b>Neurotoxins</b>	0218
<b>Neurovascular disorders</b>	0499
<b>Nitrates</b>	0132 0336
<b>Nitrogen dioxides</b>	0049 0678
<b>Nitrogen oxides</b>	0015 0216 0678
<b>Noise analysis</b>	0365 0432 0433 0589
<b>Noise control</b>	0041 0173 0365 0410 0432 0433 0492 0508 0541 0542 0573 0574 0596 0600 0625
<b>Noise exposure</b>	0139 0172 0173 0315 0323 0365 0399 0404 0410 0413 0416 0427 0430 0432 0433 0460 0461 0496 0508 0534 0574 0575 0589 0618 0631 0687
<b>Noise frequencies</b>	0172 0315 0377
<b>Noise induced hearing loss</b>	0041 0080 0139 0172 0173 0315 0323 0365 0377 0399 0400 0404 0410 0413 0416 0427 0430 0433 0460 0461 0492 0508 0541 0542 0573 0574 0596 0600 0625 0687
<b>Noise levels</b>	0172 0173 0315 0365 0399 0404 0410 0413 0416 0427 0430 0432 0433 0534 0541 0573 0589 0596 0625 0687
<b>Noise measurement</b>	0139 0172 0315 0365 0432 0433 0541 0573 0589 0596 0625 0687
<b>Noise pollution</b>	0365 0534 0589
<b>Noise propagation</b>	0041 0173
<b>Noise protection</b>	0323 0377 0399 0404 0410 0413 0416 0427 0430 0508 0574
<b>Noise shields</b>	0365
<b>Noise sources</b>	0315 0365 0492 0541 0573 0574 0589 0596 0625 0687
<b>Nonmetal mining</b>	0058 0220 0342 0343 0389 0455 0593 0597 0598
<b>Nuclear hazards</b>	0085
<b>Nuclear physics</b>	0330
<b>Nuclear power plants</b>	0085
<b>Nuclear radiation</b>	0085 0330
<b>Nuclear reactor accidents</b>	0085
<b>Nursing</b>	0046 0081 0108 0113 0114 0192 0252 0327 0329 0352 0354
<b>Nutrition</b>	0119 0295
<b>Nutritional supplementation</b>	0295
<b>Occupational accidents</b>	0064 0098 0099 0121 0130 0137 0162 0208 0274 0299 0366 0469 0470 0483 0484 0491 0509 0510 0511 0512 0514 0519 0521 0522 0527 0528 0529 0530 0531 0540 0544
<b>Occupational diseases</b>	0045 0128 0142 0166 0185 0365 0444 0445 0475 0476 0563

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<b>Occupational hazards</b>	0020 0021 0037 0038 0046 0052 0054 0060 0066 0071 0072 0075 0081 0098 0099 0113 0114 0121 0125 0129 0130 0137 0142 0153 0162 0186 0204 0215 0219 0229 0244 0271 0274 0296 0314 0327 0328 0333 0352 0354 0363 0365 0366 0384 0385 0393 0434 0435 0436 0437 0438 0439 0440 0441 0469 0470 0471 0472 0479 0480 0483 0484 0498 0509 0510 0511 0512 0523 0529 0530 0531 0533 0534 0540 0544 0548 0562 0579 0593
<b>Occupational health nursing</b>	0046 0113 0114 0192 0327 0352 0354
<b>Occupational health programs</b>	0052 0075 0103 0117 0166 0475 0476 0477 0478 0479 0480 0498 0526
<b>Occupational health services</b>	0153 0327
<b>Occupational medicine</b>	0162 0405
<b>Occupational psychology</b>	0124
<b>Occupational respiratory disease</b>	0142 0229 0289 0294 0397 0401 0421
<b>Occupational safety</b>	0458 0459
<b>Occupational safety programs</b>	0075 0081 0103 0117 0244 0477 0478 0479 0480 0498 0509 0510 0511 0512 0526
<b>Office workers</b>	0160 0693
<b>Oil industry</b>	0491 0513
<b>Oil refinery workers</b>	0491 0513
<b>Oncogenic agents</b>	0015 0272
<b>Operating rooms</b>	0187 0687
<b>Optical analysis</b>	0006
<b>Organic chemicals</b>	0042 0275 0292
<b>Organic compounds</b>	0058 0115 0165 0275 0292 0343 0681
<b>Organic dusts</b>	0165 0682
<b>Organic solvents</b>	0026 0281 0681
<b>Organic vapors</b>	0002 0042 0190 0446
<b>Organo phosphorus compounds</b>	0264
<b>Ototoxicity</b>	0400 0412
<b>Oxidation byproducts</b>	0062
<b>Oxidative stress</b>	0146 0217 0307
<b>Oxidative enzymes</b>	0383
<b>Oxidative metabolism</b>	0019 0146 0262 0383 0578 0613
<b>Oxidative processes</b>	0015 0062 0178 0198 0262 0295 0307 0402 0566
<b>Oxides</b>	0015 0058 0343 0592 0613 0678
<b>Oxygen deficient atmospheres</b>	0633
<b>Oxygen toxicity</b>	0420
<b>Oxygen transport</b>	0566
<b>Ozone</b>	0062
<b>Pain tolerance</b>	0338
<b>Paint shops</b>	0680
<b>Paints</b>	0420 0680
<b>Paramedical services</b>	0029 0125 0279 0466 0467 0497 0500
<b>Parasitic diseases</b>	0444 0445
<b>Particle aerodynamics</b>	0034 0042 0048 0072 0100 0151 0152 0175 0197 0206 0211 0229 0238 0293 0559 0562 0567 0568 0576 0588 0593 0619 0623 0626 0628 0635

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<b>Particle aerodynamics (cont.)</b>	0636
<b>Particle counters</b>	0061 0100 0151 0152 0165 0175 0211 0229 0242 0260 0533 0562 0593 0635 0636
<b>Particulate dust</b>	0035 0042 0055 0056 0061 0071 0072 0169 0189 0191 0210 0211 0229 0242 0248 0260 0267 0335 0341 0347 0362 0406 0418 0453 0494 0543 0545 0548 0566 0567 0568 0580 0605 0613 0623 0626 0683 0685
<b>Particulate sampling methods</b>	0056 0061 0151 0152 0175 0191 0231 0234 0242 0336 0562 0593 0635 0636
<b>Particulates</b>	0023 0034 0035 0042 0048 0049 0056 0116 0138 0141 0151 0152 0165 0167 0168 0169 0174 0175 0182 0189 0197 0201 0210 0211 0229 0232 0238 0242 0260 0267 0293 0304 0306 0307 0335 0343 0347 0362 0418 0424 0453 0494 0533 0543 0545 0548 0550 0559 0562 0563 0566 0567 0568 0576 0578 0579 0588 0592 0593 0594 0602 0605 0610 0613 0619 0622 0623 0628 0630 0683 0685 0688
<b>Patch tests</b>	0043
<b>Pathogenicity</b>	0096 0238 0243 0260 0371 0577
<b>Pathogens</b>	0243
<b>Pathology</b>	0015 0032
<b>Performance capability</b>	0190 0194 0281 0338
<b>Peripheral nervous system</b>	0686
<b>Permissible limits</b>	0301
<b>Personal protection</b>	0047 0284 0285 0358 0376 0377 0432 0433 0446 0453 0454 0456 0457 0485 0486 0497 0516 0614 0643 0679 0681 0682 0684 0686 0690 0692 0695
<b>Personal protective equipment</b>	0047 0227 0228 0283 0284 0285 0337 0358 0375 0376 0377 0432 0433 0446 0449 0453 0454 0456 0457 0497 0505 0508 0535 0643 0679 0681 0682 0683 0684 0686 0688 0690 0695
<b>Pesticide residues</b>	0039 0386
<b>Pesticides</b>	0039 0076 0193 0227 0228 0273 0386 0400 0587 0682 0684
<b>Pesticides and agricultural chemicals</b>	0039 0052 0068 0076 0587 0682 0684
<b>Pharmaceutical industry</b>	0503 0504 0515 0592
<b>Pharmaceuticals</b>	0065 0066 0148 0313 0485 0486 0503 0504 0515
<b>Pharmacodynamics</b>	0004 0198 0594 0605
<b>Pharmacology</b>	0148
<b>Pharmacophore</b>	0264
<b>Pharmacy workers</b>	0515
<b>Phenyl compounds</b>	0193
<b>Phosgene</b>	0062
<b>Phospholipids</b>	0216 0248
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<b>Physical chemistry</b>	0308
<b>Physical fitness</b>	0166 0642 0648 0649 0651 0653 0654 0655 0656 0659 0660 0661 0662 0663 0665 0667 0668 0670 0671 0672 0673 0674 0675 0676
<b>Physical reactions</b>	0140 0594
<b>Physical stress</b>	0064 0079 0114 0271 0295 0354 0363 0519 0648 0663 0673 0676
<b>Physical therapy</b>	0046 0114 0354 0663
<b>Physiological chemistry</b>	0016 0357
<b>Physiological disorders</b>	0064 0663
<b>Physiological effects</b>	0014 0038 0067 0096 0140 0166 0167 0189 0197 0201 0238 0243 0253 0260 0285 0286 0328 0346 0347 0371 0539 0550 0577 0594
<b>Physiological factors</b>	0008 0016 0019 0064 0067 0096 0129 0146 0166 0201 0238 0260 0316 0328 0337 0346 0642 0663

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<b>Physiological function</b>	0079 0243 0663
<b>Physiological measurements</b>	0059 0079 0140 0201 0286 0337 0346
<b>Physiological response</b>	0014 0015 0016 0067 0079 0096 0140 0166 0197 0201 0242 0253 0285 0286 0307 0337 0346 0357 0371 0560 0594 0614
<b>Physiological stress</b>	0064 0079 0166 0337 0594 0663
<b>Physiological testing</b>	0014 0079 0129 0201 0286 0316 0663
<b>Plant oils</b>	0442 0443
<b>Plant substances</b>	0119
<b>Plastics industry</b>	0414
<b>Pleural cavity</b>	0305
<b>Pneumatic equipment</b>	0541
<b>Pneumoconiosis</b>	0159 0184 0185 0186 0214 0305 0406 0473 0474
<b>Pneumology</b>	0257
<b>Poison control</b>	0442 0443 0516
<b>Poison gases</b>	0442 0443
<b>Poisons</b>	0227 0228 0442 0443 0516
<b>Police officers</b>	0013 0047 0102 0166 0279 0432 0433 0497 0499 0517
<b>Polychlorinated biphenyls</b>	0149 0382
<b>Polycyclic aromatic hydrocarbons</b>	0023
<b>Polysaccharides</b>	0216
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<b>Posture</b>	0271 0276 0328 0363 0448 0519 0556
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<b>Preventive medicine</b>	0200 0421 0642
<b>Prophylaxis</b>	0221 0222
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<b>Protective gloves</b>	0043
<b>Protective clothing</b>	0047 0358 0436 0437 0442 0443 0444 0445 0445 0485 0486 0497 0516 0672 0681 0683 0684 0692
<b>Protective coatings</b>	0442 0443 0444 0445
<b>Protective equipment</b>	0047 0249 0250 0375 0377 0432 0433 0442 0443 0453 0485 0486 0497 0535 0643 0672 0682 0684 0690 0695
<b>Protective measures</b>	0037 0117 0118 0244 0358 0436 0437 0444 0445 0485 0486 0516 0684
<b>Protein biochemistry</b>	0073 0213
<b>Proteins</b>	0015 0073 0105 0119 0213 0297
<b>Psychoimmunology</b>	0253 0254
<b>Psychological adaptation</b>	0094
<b>Psychological effects</b>	0010
<b>Psychological factors</b>	0094 0108 0166 0302 0381
<b>Psychological processes</b>	0166 0253
<b>Psychological reactions</b>	0094 0124 0166 0381
<b>Psychological responses</b>	0112 0166 0254 0381 0395 0396
<b>Psychological stress</b>	0010 0166 0395 0396 0447
<b>Pulmonary cancer</b>	0300 0566 0629
<b>Pulmonary disorders</b>	0007 0050 0071 0122 0142 0163 0167 0206 0229 0243 0257 0269 0289 0294 0297 0307 0318 0344 0406 0533 0559 0563 0566 0576 0588 0626
<b>Pulmonary function tests</b>	0050 0122 0142 0266
<b>Pulmonary system disorders</b>	0007 0008 0014 0050 0052 0061 0071 0072 0073 0088 0122 0138 0142 0159 0163 0176 0184 0185 0186 0212 0216 0224 0225 0229 0243 0262

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<b>Qualitative analysis</b>	0091 0095 0142 0166 0187 0259 0338 0525 0579
<b>Quality standards</b>	0259
<b>Quantitative analysis</b>	0004 0014 0016 0062 0069 0072 0078 0126 0171 0194 0197 0205 0211 0214 0243 0324 0328 0342 0343 0346 0365 0560 0561 0606 0614 0617 0622
<b>Quartz dust</b>	0247 0406 0564
<b>Racial factors</b>	0020 0021 0053 0054 0068 0098 0099 0107 0140 0150 0153 0250 0314 0335 0375 0393 0477 0478 0516 0637
<b>Radiation counters</b>	0408
<b>Radiation effects</b>	0330 0339
<b>Radiation exposure</b>	0025 0078 0085 0330 0339 0415
<b>Radiation facilities</b>	0330
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<b>Radiation injury</b>	0078 0085
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<b>Radiological equipment</b>	0025 0305
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<b>Recombinant DNA</b>	0206
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<b>Reinforced plastics</b>	0023
<b>Relative humidity</b>	0464 0465
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<b>Repeated measures</b>	0192
<b>Repetitive work</b>	0271 0328 0469 0470
<b>Reproductive effects</b>	0039 0129 0414 0499 0678
<b>Reproductive hazards</b>	0067 0129 0499 0678
<b>Reproductive system disorders</b>	0067 0344 0414 0499
<b>Rescue workers</b>	0638 0664
<b>Respirable dust</b>	0023 0044 0055 0058 0061 0185 0191 0194 0209 0229 0247 0258 0267 0268 0269 0278 0318 0324 0341 0342 0343 0406 0431 0455 0537 0557 0564 0566 0572 0595 0601 0680 0682 0683 0690
<b>Respirators</b>	0024 0104 0105 0126 0196 0280 0281 0282 0283 0284 0285 0286 0357 0374 0376 0418 0442 0443 0454 0456 0457 0505 0673 0680 0683 0686 0688 0689 0690 0694 0695
<b>Respiratory equipment</b>	0024 0104 0286 0548
<b>Respiratory function tests</b>	0095 0122 0143 0266
<b>Respiratory gas analysis</b>	0008 0316
<b>Respiratory hypersensitivity</b>	0008 0035 0052 0071 0138 0142 0186 0197 0212 0229 0257 0262 0307

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<b>Respiratory infections</b>	0050 0205 0206 0326 0548 0566 0612 0626
<b>Respiratory irritants</b>	0008 0035 0052 0055 0061 0071 0072 0077 0088 0100 0142 0163 0167 0186 0197 0212 0216 0225 0229 0248 0257 0262 0269 0331 0389 0390 0397 0401 0406 0411 0421 0442 0443 0464 0465 0533 0548 0555 0559 0561 0563 0566 0576 0588 0610 0619 0622 0626 0629 0677 0680 0682 0685
<b>Respiratory protective equipment</b>	0024 0104 0105 0126 0196 0280 0282 0283 0284 0285 0286 0357 0374 0376 0418 0442 0443 0446 0454 0456 0457 0548 0672 0673 0680 0682 0683 0686 0688 0689 0690 0694 0695
<b>Respiratory system disorders</b>	0007 0008 0014 0035 0050 0052 0061 0071 0072 0073 0122 0138 0143 0159 0160 0163 0176 0184 0185 0186 0205 0206 0212 0224 0225 0229 0243 0248 0257 0261 0266 0268 0269 0288 0297 0305 0316 0318 0319 0324 0326 0341 0342 0343 0344 0345 0369 0389 0390 0397 0401 0402 0403 0406 0421 0431 0455 0464 0465 0473 0474 0525 0559 0561 0563 0576 0588 0612 0619 0677 0679 0680 0682 0689 0694
<b>Rest periods</b>	0046
<b>Retail workers</b>	0005 0274
<b>Risk analysis</b>	0001 0002 0004 0010 0011 0014 0020 0021 0036 0040 0045 0056 0066 0067 0069 0075 0078 0098 0099 0107 0113 0114 0116 0128 0136 0161 0165 0166 0168 0183 0201 0219 0245 0249 0261 0263 0271 0287 0289 0296 0301 0302 0303 0304 0314 0325 0327 0328 0335 0351 0354 0359 0363 0366 0488 0517 0519 0521 0524 0525 0534 0548 0553 0566 0579 0581 0582 0602 0606 0608 0622 0624 0630 0650 0664
<b>Road construction</b>	0380 0524
<b>Road surfacing</b>	0380
<b>Rock falls</b>	0236 0409 0546 0585
<b>Rock mechanics</b>	0097 0546 0553 0554 0581 0585
<b>Rollover</b>	0130
<b>Roofers</b>	0030 0044
<b>Roofing and sheet metal work</b>	0044
<b>Roofing industry</b>	0030 0044
<b>Room and pillar mining</b>	0097 0259 0392 0553 0554 0581
<b>Safety belts</b>	0125 0130 0640 0644 0657 0669
<b>Safety climate</b>	0157
<b>Safety education</b>	0136 0157 0239 0249 0291 0378 0449 0462 0463 0469 0470 0506 0507 0534 0618 0644 0664
<b>Safety engineering</b>	0037 0130 0249 0352 0387 0392 0428 0514 0534 0570
<b>Safety equipment</b>	0083 0125 0130 0244 0249 0291 0366 0387 0505 0506 0507 0534 0562 0570 0593 0606 0607 0657 0669
<b>Safety measures</b>	0037 0067 0075 0083 0125 0136 0162 0219 0239 0244 0249 0291 0387 0392 0428 0513 0517 0528 0534 0542 0562 0570 0593 0606 0644 0645 0664
<b>Safety monitoring</b>	0037 0038 0081 0117 0562 0593 0644
<b>Safety practices</b>	0037 0068 0125 0131 0136 0157 0239 0244 0291 0327 0352 0378 0449 0462 0463 0513 0534 0542 0606 0638 0640 0641 0644 0645 0646 0652 0657 0664 0669
<b>Safety programs</b>	0117 0118 0136 0156 0239 0244 0515 0520 0524 0644 0646 0664
<b>Salivary cortisol</b>	0013
<b>Sample preparation</b>	0012 0141
<b>Samplers</b>	0141 0194 0265 0292
<b>Sampling equipment</b>	0012 0061 0154 0182 0187 0191 0194 0292 0313
<b>Sampling methods</b>	0061 0062 0154 0187 0191 0206 0231 0265 0272 0313 0331 0426

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Skin exposure	0004 0043 0057 0106 0319 0320 0321 0368 0438 0439 0442 0443 0523 0532 0545 0568 0579 0604 0683
Skin infections	0440 0441 0677 0691
Skin irritants	0004 0057 0106 0320 0368 0442 0443 0464 0465 0523 0532 0568 0579 0604 0677 0679 0682
Skin protection	0017 0438 0439 0440 0441 0444 0445
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<b>Statistical analysis</b>	0001 0002 0004 0008 0010 0014 0017 0020 0021 0027 0029 0031 0035 0036 0039 0040 0042 0045 0052 0056 0057 0059 0063 0067 0069 0071 0072 0076 0077 0091 0095 0098 0099 0101 0106 0108 0110 0113 0122 0128 0129 0131 0135 0136 0137 0140 0141 0144 0145 0147 0149 0150 0151 0152 0159 0162 0165 0166 0168 0171 0172 0174 0175 0176 0179 0183 0186 0197 0198 0201 0205 0214 0223 0224 0229 0235 0239 0242 0243 0249 0250 0254 0263 0271 0277 0284 0288 0289 0291 0296 0301 0314 0315 0316 0325 0327 0328 0330 0334 0343 0346 0349 0355 0363 0365 0366 0375 0387 0392 0426 0462 0463 0481 0482 0509 0510 0511 0512 0522 0525 0531 0532 0539 0540 0541 0542 0544 0545 0546 0548 0550 0555 0560 0561 0566 0568 0573 0575 0577 0579 0581 0587 0590 0596 0602 0604 0605 0606 0608 0611 0614 0617 0622 0624 0625 0626 0629 0630 0631
<b>Statistical quality control</b>	0077 0171 0375 0575 0617 0631
<b>Steel foundries</b>	0685
<b>Steel industry</b>	0685
<b>Stomach cancer</b>	0001
<b>Stone mines</b>	0097 0392 0551 0552
<b>Stone processing</b>	0191
<b>Storage containers</b>	0420
<b>Storage facilities</b>	0420
<b>Stress</b>	0010 0089 0166 0192 0217 0383 0447 0491 0539 0552 0553 0554 0578
<b>Structural analysis</b>	0097 0259 0483 0484 0553
<b>Sulfates</b>	0336 0464 0465
<b>Sulfur compounds</b>	0634
<b>Sunscreening agents</b>	0438 0439
<b>Surface mining</b>	0431 0455
<b>Surface properties</b>	0062 0211 0514 0592 0630
<b>Surveillance programs</b>	0017 0059 0077 0127 0155 0156 0160 0224 0227 0228 0251 0266 0274 0279 0290 0299 0330 0335 0359 0386 0401 0421 0451 0452 0514 0520 0528 0531 0540 0544 0574
<b>Synergism</b>	0388 0400
<b>Synthetic rubbers</b>	0043 0523
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<b>Testing equipment</b>	0012 0126 0190 0242 0311 0635 0636
<b>Textiles</b>	0154
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<b>Thermal decomposition</b>	0023
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<b>Tissue culture</b>	0213 0348
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<b>Titanium dioxide</b>	0189
<b>Tobacco constituents</b>	0516
<b>Tobacco smoke</b>	0252 0388
<b>Toxic dose</b>	0269
<b>Toxic effects</b>	0002 0004 0008 0011 0057 0066 0129 0168 0188 0189 0193 0229 0238 0243 0248 0260 0262 0269 0293 0294 0316 0335 0347 0420 0539 0545 0548 0550 0555 0561 0566 0568 0577 0578 0587 0590 0594 0602 0604 0612 0613 0622 0624 0626 0628 0629 0630

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<b>Toxic vapors</b>	0420 0555
<b>Toxicology</b>	0066 0116 0133 0168 0248 0269 0297 0335
<b>Toxicopathology</b>	0243 0577 0612
<b>Toxins</b>	0004 0008 0260 0545 0548 0559 0563 0567 0588 0623
<b>Tracer gas</b>	0634
<b>Tractors</b>	0068 0249
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<b>Transportation</b>	0528
<b>Transportation industry</b>	0027 0471 0472
<b>Transportation workers</b>	0027
<b>Traumatic injuries</b>	0054 0098 0099 0121 0130 0155 0207 0208 0246 0251 0279 0291 0298 0299 0334 0489 0490 0509 0510 0511 0512 0519 0522 0524 0528 0529 0530 0531 0540 0544 0637 0638 0639 0640 0641 0643 0644 0645 0646 0647 0650 0652 0657 0658 0666 0669
<b>Truck drivers</b>	0027 0608 0644
<b>Tumors</b>	0015 0213 0364
<b>Tungsten compounds</b>	0318 0320 0322 0372
<b>Tungsten minerals</b>	0320
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<b>Ultraviolet radiation</b>	0438 0439
<b>Underground miners</b>	0037 0041 0048 0049 0058 0177 0184 0185 0236 0237 0239 0315 0324 0341 0342 0343 0381 0387 0390 0392 0409 0410 0411 0428 0448 0492 0506 0507 0508 0536 0542 0556 0562 0570 0573 0574 0586 0593 0596 0606 0617
<b>Underground mining</b>	0034 0037 0041 0048 0049 0055 0091 0092 0097 0170 0171 0177 0180 0181 0184 0209 0220 0223 0236 0237 0239 0240 0255 0258 0259 0268 0270 0296 0306 0315 0341 0356 0367 0381 0387 0390 0392 0409 0410 0411 0428 0431 0448 0455 0468 0487 0492 0495 0506 0507 0534 0536 0537 0542 0543 0546 0547 0549 0551 0552 0553 0554 0556 0557 0562 0564 0565 0569 0570 0571 0572 0573 0574 0580 0581 0582 0583 0584 0585 0586 0589 0591 0593 0595 0596 0597 0598 0601 0603 0606 0607 0609 0611 0615 0616 0617 0620 0621 0627 0632 0633 0690
<b>Urinalysis</b>	0129 0272 0313
<b>Urine chemistry</b>	0016 0129 0313
<b>Urogenital system disorders</b>	0300
<b>Vapor detectors</b>	0061 0190
<b>Vasoactive agents</b>	0189 0567
<b>Vasodilation</b>	0189
<b>Ventilation equipment</b>	0048 0220 0593 0597 0634 0635 0636
<b>Ventilation hoods</b>	0634 0635 0636
<b>Ventilation systems</b>	0048 0055 0070 0077 0091 0170 0171 0220 0232 0242 0284 0464 0465 0468 0487 0583 0593 0597 0616 0620 0636 0678 0679 0680 0685 0689
<b>Veterinary medicine</b>	0485 0486
<b>Vibration control</b>	0358 0625 0683
<b>Vibration disease</b>	0178 0328
<b>Vibration effects</b>	0089 0178 0328 0333 0358 0361 0625
<b>Vibration exposure</b>	0089 0178 0276 0328 0333 0358 0575 0625 0631
<b>Vibration monitors</b>	0090 0361
<b>Vibration suppressors</b>	0358 0625

**X. Keyword Index**

<b>Keyword</b>	<b>Citation Number(s)</b>
<b>Violence</b>	0156
<b>Viral diseases</b>	0104 0205 0273 0280 0282 0284 0418 0466 0467 0694 0695
<b>Viral infections</b>	0205 0206 0273 0280 0282 0284 0418 0444 0445 0466 0467 0694
<b>Visual fields</b>	0606
<b>Visual perception</b>	0296 0606
<b>Vitamins</b>	0295
<b>Volatiles</b>	0115 0292 0384
<b>Walking surfaces</b>	0032 0471 0472 0514
<b>Warning devices</b>	0387 0570 0617 0664
<b>Warning systems</b>	0083 0291 0617 0664
<b>Water analysis</b>	0385
<b>Weight factors</b>	0079 0140 0337 0353
<b>Weight measurement</b>	0140
<b>Welders</b>	0007 0008 0197 0316 0369
<b>Welders lung</b>	0316 0369 0629
<b>Welding</b>	0007 0008 0197 0237 0316 0317 0369 0382 0550 0619
<b>Welding equipment</b>	0174
<b>Welding industry</b>	0008 0174 0197
<b>Wood products</b>	0471 0472
<b>Work analysis</b>	0010 0011 0020 0021 0036 0037 0046 0052 0059 0060 0067 0077 0183 0244 0271 0296 0314 0327 0363 0471 0472 0519 0521 0534 0606 0608
<b>Work areas</b>	0020 0021 0031 0037 0067 0100 0147 0215 0296 0314 0365 0387 0548 0570 0579
<b>Work capability</b>	0338 0398
<b>Work intervals</b>	0031 0038 0046 0081 0108 0183 0215 0521
<b>Work operations</b>	0020 0021 0029 0031 0037 0060 0067 0072 0129 0186 0229 0239 0271 0296 0314 0316 0328 0335 0365 0380 0387 0526 0541 0542 0548 0570 0573 0596 0606 0617 0625 0637
<b>Work organization</b>	0109 0327 0395 0396 0451 0452
<b>Work performance</b>	0010 0037 0045 0046 0052 0059 0060 0066 0067 0147 0150 0162 0197 0239 0271 0328 0363 0398 0521 0541 0542 0573 0596 0606 0608 0625 0664
<b>Work practices</b>	0011 0020 0021 0029 0034 0037 0045 0060 0066 0067 0068 0117 0142 0147 0150 0162 0197 0215 0232 0237 0239 0244 0271 0296 0298 0314 0316 0323 0327 0328 0329 0363 0365 0378 0380 0444 0445 0449 0453 0471 0472 0526 0534 0541 0542 0561 0573 0596 0606 0608 0625 0637 0638 0640 0641 0652 0681 0685 0692
<b>Work related injury</b>	0207 0327
<b>Worker health</b>	0011 0031 0038 0045 0052 0054 0066 0067 0068 0072 0074 0077 0081 0095 0100 0108 0111 0117 0125 0142 0147 0150 0166 0186 0197 0225 0239 0244 0245 0253 0289 0302 0327 0335 0351 0359 0365 0385 0387 0395 0396 0407 0428 0477 0478 0479 0480 0491 0521 0542 0548 0561 0570 0579 0608 0689
<b>Worker motivation</b>	0302 0365 0534 0606 0617
<b>Workers</b>	0020 0021 0030 0074 0098 0099 0103 0121 0124 0125 0131 0150 0257 0270 0299 0300 0314 0379 0380 0407 0462 0463 0522
<b>Workplace monitoring</b>	0029 0031 0117 0139 0202 0203 0239 0244 0311 0387 0407 0534 0542 0570
<b>Workplace studies</b>	0002 0006 0020 0021 0029 0031 0034 0035 0037 0038 0045 0052 0060 0066 0067 0072 0100 0117 0118 0124 0142 0150 0156 0162 0186 0197 0215 0219 0225 0239 0244 0245 0296 0314 0327 0328 0332 0335 0365 0387 0407 0519 0534 0542 0548 0561 0570 0579 0606 0608 0617 0664 0685 0689

<b>Keyword</b>	<b>Citation Number(s)</b>
<b>X ray analysis</b>	0186 0305
<b>X ray diagnosis</b>	0025 0186 0305
<b>X ray equipment</b>	0025 0305
<b>X ray technicians</b>	0025
<b>Yerba mate</b>	0198
<b>Young adult</b>	0257
<b>Youth</b>	0136
<b>Zinc compounds</b>	0043 0267



## XI. NATIONAL OCCUPATIONAL RESEARCH AGENDA (NORA) INDEX

<b>Topic</b>	<b>Citation Number(s)</b>
<b>Sector Programs</b>	
<b>Agriculture, Forestry and Fishing</b>	0047 0068 0076 0121 0135 0136 0137 0202 0203 0204 0227 0228 0246 0249 0250 0251 0325 0349 0382 0414 0423 0424 0425 0434 0435 0436 0437 0438 0439 0440 0441 0442 0443 0444 0445 0462 0463 0509 0510 0511 0512
<b>Construction</b>	0030 0074 0094 0109 0124 0131 0156 0244 0370 0432 0433 0435 0437 0439 0441 0443 0525 0526
<b>Healthcare and Social Assistance</b>	0024 0065 0066 0104 0105 0107 0110 0157 0196 0272 0283 0284 0285 0286 0357 0447 0503 0504 0523
<b>Manufacturing</b>	0010 0012 0054 0069 0081 0108 0109 0111 0116 0135 0139 0150 0182 0195 0230 0231 0232 0245 0349 0363 0382 0399 0402 0403 0404 0413 0414 0416 0423 0424 0425 0427 0430 0451 0452 0460 0461 0469 0470 0471 0472 0473 0474 0475 0476 0477 0478 0479 0480 0481 0482 0483 0484 0523 0526
<b>Mining</b>	0048 0055 0083 0170 0171 0180 0239 0265 0291 0387 0389 0392 0403 0410 0428 0431 0506 0507 0508 0525 0536 0537 0541 0546 0547 0549 0551 0552 0554 0570 0572 0573 0574 0575 0580 0583 0584 0585 0595 0596 0601 0603 0606 0608 0609 0611 0615 0616 0617 0620 0625 0627 0632 0633
<b>Public Safety</b>	0126 0156 0334 0350 0370 0489 0490 0528 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0661 0662 0663 0664 0665 0666 0667 0668 0671 0673 0675 0676 0677 0678 0679 0680 0681 0682 0683 0684
<b>Services</b>	0010 0047 0054 0070 0082 0095 0102 0126 0156 0157 0183 0215 0261 0332 0334 0350 0363 0370 0399 0404 0413 0416 0427 0429 0430 0464 0465 0489 0490 0528 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0661 0662 0663 0664 0665 0666 0667 0668 0671 0673 0675 0676 0677 0678 0679 0680 0681 0682 0683 0684 0685 0686 0687 0688 0689 0690 0691 0692 0693 0694
<b>Transportation, Warehousing and Utilities</b>	0025
<b>Wholesale and Retail Trade</b>	0005 0274



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